



2815

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

James J. Howarth

Serial No.: 09/944,472

Filed: August 30, 2001

For: METHOD OF BALL GRID ARRAY
(BGA) ALIGNMENT, METHOD OF
TESTING, ALIGNMENT APPARATUS
AND SEMICONDUCTOR DEVICE
ASSEMBLY

Confirmation No.: 1559

Examiner: J. Diaz

Group Art Unit: 2815

Attorney Docket No.: 2269-4348US
(MUEI-0547.00/US)

CERTIFICATE OF MAILING

I hereby certify that this correspondence along with any attachments referred to or identified as being attached or enclosed is being deposited with the United States Postal Service as First Class Mail on the date of deposit shown below with sufficient postage and in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

May 29, 2003
Date

Signature

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In compliance with the duty to disclose information material to patentability pursuant to 37 C.F.R. § 1.56, it is respectfully requested that this Supplemental Information Disclosure Statement be entered and the documents listed on attached Form PTO-1449 be considered by the Examiner and made of record. Copies of the listed documents are enclosed pursuant to 37 C.F.R. § 1.98(a).

In accordance with 37 C.F.R. § 1.97(g) and (h), filing of this Supplemental Information Disclosure Statement is not to be construed as a representation that a search has been made or an

admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. § 1.56(b). Further, no representation is made by Applicant herein that no other possible material information as defined in 37 C.F.R. § 1.56 (b) exists.

U.S. Patent Documents

<u>U.S. Patent No.</u>	<u>Publication Date</u>	<u>Patentee</u>
5,150,194	09/1992	Brooks et al.
5,327,008	07/1994	Djennas et al.
5,468,991	11/1995	Lee et al.
5,728,601	03/1998	Sato et al.
5,861,654	01/1999	Johnson
6,198,172 B1	03/2001	King et al.
6,242,817 B1	06/2001	Grande et al.
6,420,195	07/2002	King et al.
6,518,098	02/2003	Corisis
6,548,827 B2	04/2003	Irie

Applicant offers to supply any explanation or discussion of the documents which the Examiner feels is necessary or desirable and which is requested.

This Supplemental Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits.

Serial No.: 09/944,472

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Respectfully submitted,

A handwritten signature in black ink, appearing to read "Bradley B. Jensen", followed by a long horizontal line.

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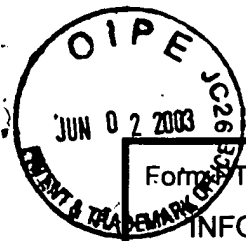
Date: May 29, 2003

BBJ/ps:djp

Enclosures: Form PTO-1449

Copy of documents cited

Document in ProLaw



Form PTO-1449 INFORMATION DISCLOSURE CITATION IN AN APPLICATION <i>(Use several sheets if necessary)</i>	Docket Number (Optional) 4348US (MUEI-0547.00/US)	Application Number 09/944,472
	Applicant Jam s J. H warth	
	Filing Date August 30, 2001	Group Art Unit 2815

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,150,194	09/1992	Brooks et al.			
	5,327,008	07/1994	Djennas et al.			
	5,468,991	11/1995	Lee et al.			
	5,728,601	03/1998	Sato et al.			
	5,861,654	01/1999	Johnson			
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	6,242,817 B1	06/2001	Grande et al.			
	6,420,195	07/2002	King et al.			
	6,518,098	02/2003	Corisis			
	6,548,827 B2	04/2003	Irie			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
						YES	NO

OTHER DOCUMENTS

(Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.